

CLAIMS

I claim:

1. Connection element (1) for the detachable connection of adjacent component parts (2), especially for shelving-type systems,

characterized in that the connection element (1) has several jaw sidewalls (3, 4) that are oriented in different directions, whereby 2 jaw sidewalls (3, 4) at a time can be braced against each other to hold a component part (2), in that at least one jaw sidewall (4) is carried adjustably on the connection element (1) and this jaw sidewall (4) projects by a lateral leg (14) into the inside of the connection element (1) and there is in active connection with an adjustment element (6, 7) that is to be activated from the outside in a direction to brace or detach the jaw sidewall (4).

2. Connection element (1) according to claim 1, characterized in that by activation of the lateral leg (14), the associated jaw sidewall (4) can be rotated around a rotational axis (32) on the housing (5) of the connection element (1).

3. Connection element (1) according to claim 1, characterized in that the adjustment element (6, 7) is an eccentric (6, 7) that is set in bearings so that it can rotate.

4. Connection element (1) according to claim 1, characterized in that the adjustment element is set in bearings so that it can rotate via cylindrical guide surfaces (20) in the connection element (1).

5. Connection element (1) according to claim 4, characterized in that the bearing of the guide surfaces (20) is done with a radial play of approx. 0.4 millimeter to approx. 1 millimeter.

6. Connection element (1) according to claim 1, characterized in that the adjustment element (6, 7) enters into a self-locking brace with the lateral leg (14).

7. Connection element (1) according to claim 1, characterized in that the adjustment element (6, 7) is in active connection with 2 lateral legs (14) which are allocated to different jaw sidewalls (4).

8. Connection element (1) according to claim 1, characterized in that the lateral legs (14) grasp onto the diagonally opposing sides of the adjustment element (6, 7).

9. Connection element (1) according to claim 1, characterized in that each adjustable jaw sidewall (4) lies opposite a rigid jaw sidewall (3).

10. Connection element (1) according to claim 1, characterized in that it has at least two adjustment elements (6, 7) arranged approximately coaxially above each other.

11. Connection element (1) according to claim 10, characterized in that an adjustment element (6) is to be activated through an opening (8) of the other adjustment element (7).

12. Connection element (1) according to claim 10, characterized in that the adjustment elements (6, 7) are to be activated by variably sized Allen-type wrenches.

13. Connection element (1) according to claim 1, characterized in that it has, on the activation side of the at least one adjustment element (6, 7), a cover (9) with an opening that functions for the guidance of a wrench for adjusting the adjustment element (6, 7).

14. Connection element (1) according to claim 10, characterized in that the lateral leg (14) has an offset (26) opposite the eccentric (6, 7) that is not allocated to said lateral leg.

15. Connection element (1) according to claim 1, characterized in that spacers (10) can be clamped or made to catch on the jaw sidewalls (3, 4).

16. Connection element (1) according to claim 15, characterized in that the spacers (10) can be clamped in recesses (12) of at least one jaw sidewall (3, 4).

17. Connection element (1) according to claim 15, characterized in that the spacers (10) have a bent extension on part of their edge.

18. Connection element (1) according to claim 15, characterized in that the spacers (10) have a hinge with a rotating bracket on part of their edge.